

Lesson 1.1 • Bar Graphs and Dot Plots

Name _____ Period _____ Date _____

1. This table shows the heights of the ten tallest mountains in the world.

Mountain Heights

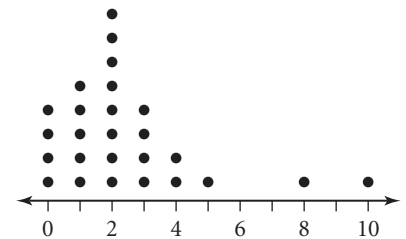
ID	Mountain, location	Height (ft)	ID	Mountain, location	Height (ft)
1	Everest, Nepal/Tibet	29,035	6	Lhotse II, Nepal/Tibet	27,560
2	K2, Kashmir	28,250	7	Dhaulagiri I, Nepal	26,810
3	Kanchenjunga, India/Nepal	28,208	8	Manaslu I, Nepal	26,760
4	Lhotse I, Nepal/Tibet	27,923	9	Cho Oyu, Nepal/Tibet	26,750
5	Makalu I, Nepal/Tibet	27,824	10	Nanga Parbat, Kashmir	26,660

(The World Almanac and Book of Facts 2004, p. 488)

- Find the minimum, maximum, and range of the data.
- Construct a bar graph for this data set. Use the ID numbers to identify the mountains.

2. The students in one social studies class were asked how many brothers and sisters (siblings) they each have. The dot plot here shows the results.

- How many of the students have six siblings?
- How many of the students have no siblings?
- How many of the students have three or more siblings?



3. This table shows approximately how long it took members of Abdul's math class to complete a cross-number puzzle.

Time (min)	2	3	5	6	8	10
Number of students	1	2	6	8	3	1

- Show this data on a dot plot.
- What is the range of the data?

4. The bar graph shows how much money the Zerihun family spent on various goods and services during 2005.

- On what did the Zerihun family spend the least amount of money?
- About how much did they spend on insurance?
- About how much more did they spend for groceries than for transportation?

